

**From:** [Robert Werner](#)  
**To:** [Barbara Nann](#)  
**Subject:** San Jacinto River Waste Pits (06ZO) - Re: Fw: Technical Info Needed for UAO Enforcement Record  
**Date:** 10/22/2009 12:01 PM  
**Attachments:** [Hexachlorodibenzo-p-dioxin \(HxCDD\), mixture of 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD \(CASRN 57653-85-7 and 19408-74-3\) | IRIS | US EPA.pdf](#)  
[WHO | Project for the re-evaluation of human and mammalian toxic equivalency factors \(TEFs\) of dioxins and dioxin-like compounds.pdf](#)  
[tp104.pdf](#)  
[Hexachlorodibenzo-p-dioxin \(HxCDD\), mixture of 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD \(CASRN 57653-85-7 and 19408-74-3\) | IRIS | US EPA.pdf](#)  
[WHO | Project for the re-evaluation of human and mammalian toxic equivalency factors \(TEFs\) of dioxins and dioxin-like compounds.pdf](#)  
[tp104.pdf](#)

---

UAO Admin RR - EPA - IRIS, (2009-09-22) Hexachlorodibenzo-p-dioxin (HxCDD), mixture of 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD (CASRN 57653-85-7 and 19408-74-3)(SDMS #875460)



Hexachlorodibenzo-p-dioxin (HxCDD), mixture of 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD (CASRN 57653-85-7 and 19408-74-3) | IRIS | US EPA.pdf

UAO Admin RR - WHO-IPCS, (2009-09-22) Project for the re-evaluation of human and mammalian toxic equivalency factors (TEFs) of dioxins and dioxin-like compounds (SDMS #875464)



WHO | Project for the re-evaluation of human and mammalian toxic equivalency factors (TEFs) of dioxins and dioxin-like compounds.pdf

UAO Admin RR - ATSDR, (December 1998) Toxicological profile for chlorinated dibenzo-p-dioxins (SDMS #875466)



tp104.pdf

▼ [Fw: Technical Info Needed for UAO Enforcement Record](#)

#### **Fw: Technical Info Needed for UAO Enforcement Record**

**Barbara** to: Robert Werner  
**Nann**

10/20/2009  
04:15 PM

The attached items need to be scanned into SDMS and please give me the doc ID #s.

Barbara A. Nann  
Assistant Regional Counsel  
EPA Region 6 (6RC-S)  
1445 Ross Avenue  
Dallas, TX 75202  
phone: (214) 665-2157  
fax: (214) 665-6460  
[nann.barbara@epa.gov](mailto:nann.barbara@epa.gov)

----- Forwarded by Barbara Nann/R6/USEPA/US on 10/20/2009 04:15 PM -----

#### **Re: Technical Info Needed for UAO Enforcement Record**



**Jon** to: Barbara Nann  
**Rauscher**

09/22/2009  
04:43 PM

Cc: Carlos Sanchez, Philip Turner, Robert Werner, Stephen Tzhone, John Meyer

#### **(1) documents showing the dangers of dioxins and furans**

EPA Integrated Risk Information System (IRIS) file for hexachlorodibenzo-p-dioxin (HxCDD):



Hexachlorodibenzo-p-dioxin (HxCDD), mixture of 1,2,3,6,7,8-HxCDD and 1,2,3,7,8,9-HxCDD (CASRN 57653-85-7 and 19408-74-3) | IRIS | US EPA.pdf

HxCDD is the only dioxin with an IRIS value. A toxic equivalency factors (TEFs) are used to derive the toxicity values for the dioxins. The World Health Organization (WHO) TEFs is the source for TEFs for chlorinated dibenzo-p-dioxins (CDDs), chlorinated dibenzofurans (CDFs) and dioxin-like polychlorinated biphenyls (PCBs):



WHO | Project for the re-evaluation of human and mammalian toxic equivalency factors (TEFs) of dioxins and dioxin-like compounds.pdf

## (2) ATSDR toxicological profile for dioxins and furans



tp104.pdf

### ▼ Technical Info Needed for UAO Enforcement Record

#### Technical Info Needed for UAO Enforcement Record

**Barbara Nann** to: Stephen Tzhone, Carlos Sanchez, Philip Turner, Jon Rauscher

09/22/09  
03:14  
PM

Cc: Robert Werner

Stephen:

For the UAO Enforcement record, I will need the following documents:

- (1) documents showing the dangers of dioxins and furans (COCs at the site)
- (2) ATSDR toxicological profile for dioxins and furans (COCs at the site)
- (3) Other toxicological profiles for dioxins and furans (COCs at the site)
- (4) Any Newspaper articles showing the impact that dioxins and furans has had on health
- (5) BHHRA (if one was done)

Also, I have asked Jon Rauscher to create an independent barymetric survey of the site to determine locations of potential dredge cut lines (I want to see if the survey submitted by the PRPs are accurate AND I need to ascertain if there are any dredge cut lines that have directly affected the 40 acre tract where the waste disposal facility was operating on).

I will need all of the listed above for the UAO Enforcement Record before proceeding with any enforcement action.

Barbara A. Nann  
Assistant Regional Counsel  
EPA Region 6 (6RC-S)  
1445 Ross Avenue  
Dallas, TX 75202  
phone: (214) 665-2157  
fax: (214) 665-6460  
nann.barbara@epa.gov